WARRANTY

All fiber optic transmission systems, products and accessories manufactured by Liteway, Inc. and it's subsidiaries are fully tested prior to shipment and are warranted against defective materials and workmanship for a period of five full years from the date of the original shipment. Should a problem occur, a Return Material Authorization Number (RMA) must be obtained from Liteway Inc. at (516) 931-2800 and the item returned to Liteway, Inc. 166 Haverford Road, Hicksville, NY 11801, USA, prepaid. Liteway Inc. will then, at its option repair or replace the defective item.

Liteway, Inc. maximum liability under this warranty is limited to the cost of the defective item only. No contingent liabilities of any kind are either assumed or implied.

Any items returned to Liteway, Inc. that have been misused, abused, damaged, modified, connected or adjusted in any way contrary to the instructions furnished by Liteway, Inc. or repaired by unauthorized personnel will not be covered by this warranty. Any non-warranty repairs required will be quoted at the current rate for such services.

Important Notices

CAUTION ! AVOID DIRECT EXPOSURE TO BEAM.
All -7,-8, and -9 Models use laser diodes. These solid-state laser diodes are located in the optical ports of these units. Laser diodes produce invisible radiation that may be harmful to human eyes. Never look directly into the optical port of any fiber optic unit designed to operate with single-mode optical fiber.

NOT FOR LIFE SUPPORT SYSTEMS
Liteway, Inc. does not authorize or warrant any of its products or accessories for use in critical life support systems or applications of any kind.

 106155 Rev E

OPERATING INSTRUCTIONS

LuxLink®
Fiber Optic
Optical Coupler/Splitter

Model OC-1002

The OC-1002 Fiber Optic Optical Coupler consists of a 1 x 2 optical coupler. The unit is designed for use as an optical splitter or combiner to implement a single-fiber bi-directional transmission system.

Technical Specifications

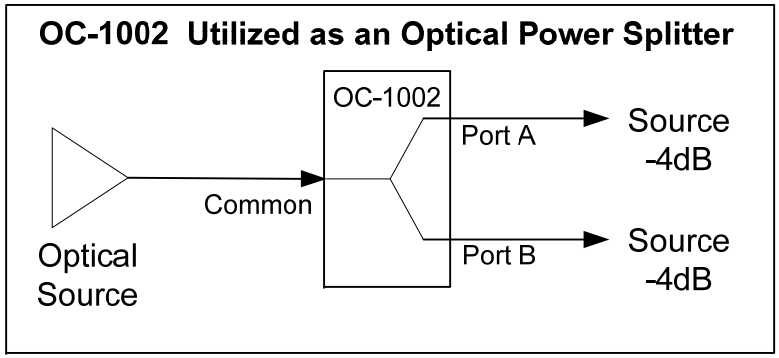
Operating Wavelength	850 - 1310 (for -1, -3 models) 1310 -1550 (for -7 ,-9 models)
Fibers Accommodated	Multimode (for -1, -3 models) Single-mode (for -7, -9 models)
Optical Connectors	ST (for -1, -3 models) FC/PC (for –7 ,-9 models)
Insertion Loss Common to or from A or B	4 dB Typical
Insertion Loss A to from B	20 dB Minimum
Temperature Range	-35º to +75ºC
Power Requirements	None
Physical Size (mm)	5.0"(127)L x 1.0" (25.4)W x 3.0"(7)D

All specifications are subject to change without prior notice.

Installation Instructions

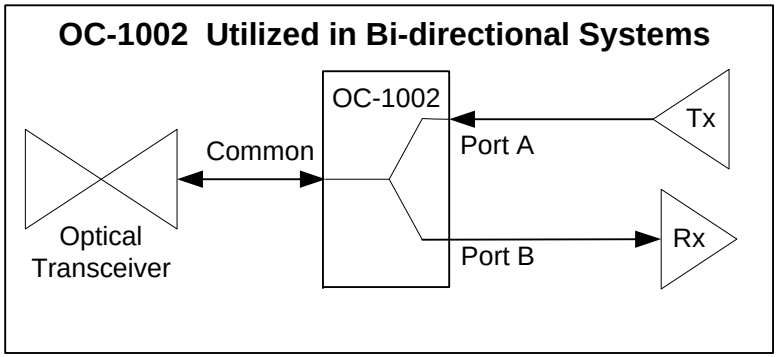
The OC-1002 is an optical coupler that can be utilized as power splitter or combining bi-directional signals.

Optical Splitter Applications



When used as an optical splitter, the loss from the common port to either port A or port B will be 4 dB typical. This means that an optical signal transmitted into the common port will appear at ports A and B reduced by 4 dB. An optical signal "launched" into ports A or B will appear at the common port reduced by 4 dB. An optical signal "launched" into port A will appear at port B attenuated by a minimum of 20 dB.

Single-fiber bi-directional Transmission Applications



When used to implement a bi-directional transmission system signals transmitted into port A will appear at the common port reduced by about 4 dB. At the opposite end of the link, the signals will be reduced by an additional 4 dB + the loss within the common fiber. Signals transmitted into port A on the same side of the link will be attenuated by a minimum of 20 dB at port B.